

PATENT

52343

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
:
Hiroyuki IKEUCHI et al.

Hiroyuki IKEUCHI et al. :

Serial No.: 10/593,706 :

Filed: September 21, 2006

For: AN AQUEOUS-LIQUID-ABSORBING : AGENT AND ITS PRODUCTION PROCESS :

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. § 1.97 and § 1.98, Applicants bring the disclosures attached and listed on completed Form PTO-1449 to the Examiner's attention and request that they be considered and made of record in this application.

WO 95/26209 corresponds to U.S. Patent Nos. 5,562,646, 5,599,335 and 5,669,894. JP-A-514934/2002 corresponds to U.S. Patent No. 5,851,672. JP-A-501979/2000 corresponds to U.S. Patent No. 6,011,196. JP-A-523289/2001 corresponds to U.S. Patent No. 6,300,275. JP-A-523526/2002 corresponds to U.S. Patent No. 6,124,391. JP-A-542364/2002 corresponds to WO 2000/063295.

In accordance with the amendments to 37 C.F.R. §1.98(a) (revisions effective October 21, 2004) and as discussed in the October 19, 2004 Official Gazette (1287 OG 163), copies of

U.S. patents and published applications cited on the attached Form PTO-1449 are not enclosed.

Prompt examination on the merits is respectfully requested.

Respectfully submitted,

Garrett V. Davis Reg. No. 32,023

Roylance, Abrams, Berdo & Goodman, L.L.P. 1300 19th Street, N.W., Suite 600 Washington, D.C. 20036-1649 (202) 659-9076

Dated: Wec 5, 200 6

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INFORMATION DISCESSURE STATEMENT BY APPLICANT (use as many sheets as necessary)

of

Application Number
Filing Date
First Named Inventor
Art Unit

10/593,706 September 21, 2006 Hiroyuki IKEUCHI

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		U.S.	PATENT DOCU	MENTS	
Examiner Initials	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		US-5,562,646	10/08/1996	Goldman et al.	
		US-5,599,335	02/04/1997	Goldman et al.	
		US-5,669,894	09/23/1997	Goldman et al.	
		US-5,851,672	12/22/1998	Wang et al.	
		US-6,011,196	01/04/2000	Wang et al.	
		US-6,300,275	10/09/2001	Weir	
	\vdash	US-6,124,391	09/26/2000	Sun et al.	
		US-4,625,001	11/25/1986	Tsubakimoto et al.	
		US-4,654,039	03/31/1987	Brandt et al.	
	1	US-5,250,640	10/05/1993	Irie et al.	
		US-5,275,773	01/04/1994	Irie et al.	
		US-4,076,663	02/28/1978	Masuda et al.	
		US-4,389,513	06/21/1983	Miyazaki	
		US-4,124,748	11/07/1978	Fujimoto et al.	
		US-3,959,569	05/25/1976	Burkholder, Jr.	
		US-3,935,099	01/27/1976	Weaver et al.	
		US-4,769,427	09/06/1988	Nowakowsky et al.	
		US-4,873,299	10/10/1989	Nowakowsky et al.	
	1	US-4.093.776	06/06/1978	Aoki et al.	

Examiner Name

Attorney Docket Number

			EIGN PATENT	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant	
initials	No.	Country Code-Number- Kind Code (if known)		Applicant of Cited Document	Figures Appear	т
		WO 95/26209	10/05/1995	Goldman et al.		
		WO 2005/010102	02/03/2005	Ueda et al.		
		JP 2002-514934	05/21/2002			
		JP 2000-63527	02/29/2000	Dairoku et al.	English abstract	
		JP 2000-143722	05/26/2000	Inoue et al.	English abstract	
		JP 2000-501979	02/22/2000			
		JP 2001-523289	11/20/2001			
		JP 2002-523526	07/30/2002			
		JP 2002-542364	12/10/2002			
		WO 00/63295	10/26/2000	Hahnle et al.		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the atricle (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc., date, page(g), votume-issue number(s), publishers, city and/or country where published	\
		GOURMAND et al., Superabsorbent Polymers for Cable Application, Nonwovens World, October-Novbember 2000, pp. 73-83.	
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				First Named Inventor	Hiroyuki IKEUCHI				
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		U.S.	PATENT DOCU	MENTS	
Examiner Initials	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		US-4,367,323	01/04/1983	Kitamura et al.	
		US-4,446,261	05/01/1984	Yamasaki et al.	
-	,	US-4,683,274	07/28/1987	Nakamura et al.	
		US-4,690,996	09/01/1987	Shih et al.	
		US-4,721,647	01/26/1988	Nakanishi et al.	
		US-4,738,867	04/19/1988	Itoh et al.	
		US-4,748,076	05/31/1988	Saotome	
		US-6,228,930	05/08/2001	Dairoku et al.	
		US-5,264,495	11/23/1993	Irie et al.	
		US-4,950,692	08/21/1990	Lewis et al.	
		US-5,478,879	12/26/1995	Kajikawa et al.	
		US-4,920,202	04/24/1990	Irie et al.	
		US-2002/0165288	11/07/2002	Frenz et al.	
		US-Re. 32,649	04/19/1988	Brandt et al.	
		US-5,061,259	10/29/1991	Goldman et al.	
		US-5,419,956	05/30/1995	Roe	
		US-6,087,002	07/11/2000	Kimura et al.	
		US-5,712,316	01/27/1998	Dahmen et al.	
		US-5,760,080	06/02/1998	Wada et al.	

		FOR	EIGN PATENT	DOCUMENTS		
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number- Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т
		JP 8-337726	12/24/1996	Hosokawa et al.	English translation	
		EP 0 456 136	11/13/1991	Yarbrough et al.		
		EP 1 178 059	02/06/2002	Dairoku et al.		
		EP 0 844 270	05/27/1998	Inoue et al.		
		EP 0 668 080	08/23/1995	Dairoku et al.		
		EP 0 629 411	12/21/1994	Sumiya et al.		
		EP 0 532 002	03/17/1993	Byerly et al.		
		EP 1 352 927	10/15/2003	Ueda et al.		
		GB 2 267 094	11/24/1993	Amiya et al.		
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NON PATENT LITERATURE DOCUMENTS						
Examiner Cite No.		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate). title of the i (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s) publishers, city and/or country where published				
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	Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		First Named Inventor	Hiroyuki IKEUCHI		
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		U.S.	PATENT DOCU	MENTS	
Examiner Initials	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,562,879	05/13/2003	Hatsuda et al.	
		US-5,462,972	10/31/1995	Smith et al.	
		US-5,453,323	09/26/1995	Chambers et al.	
		US-5,797,893	08/25/1998	Wada et al.	
		US-6,127,454	10/03/2000	Wada et al.	
		US-6,184,433	02/06/2001	Harada et al.	
	\Box	US-6,297,335	10/02/2001	Funk et al.	
		US-Re. 37,021	01/16/2001	Aida	
		US-5,140,076	08/18/1992	Hatsuda et al.	
		US-6,414,214	07/02/2002	Engelhardt et al.	
		US-5,994,440	11/30/1999	Staples et al.	
		US-6,444,744	09/03/2002	Fujimaru et al.	
		US-6,194,531	02/27/2001	Hatsuda et al.	
		US-2002/0120074	08/29/2002	Wada et al.	
		US-2002/007170	01/17/2002	Wada et al.	
		US-5,866,678	02/02/1999	Kajikawa et al.	
		US-5,147,343	09/15/1992	Kellenberger	
		US-5,149,335	09/22/1992	Kellenberger et al.	
		US-5,601,542	02/11/1997	Melius et al.	

		FOR	EIGN PATENT I	DOCUMENTS		
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number- Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, cataloq, etc.), date, page(s), volume-issue number(s), publishers, city and/or country where published	T
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INFORMATION DISCLOSURE			Filing Date	September 21, 2006	
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		U.S.	PATENT DOCU	MENTS	
Examiner Initials	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,150,582	11/21/2000	Wada et al.	
		US-2002/0128618	09/12/2002	Frenz et al.	
		US-6,254,990	07/03/2001	Ishizaki et al.	
_		US-5,684,106	11/04/1997	Johnson et al.	
		US-5,244,735	09/14/1993	Kimura et al.	1
		US-4,286,082	08/25/1981	Tsubakimoto et al.	
		US-4,973,632	11/27/1990	Nagasuna et al.	
		US-4,985,518	01/15/1991	Alexander et al.	
		US-5,124,416	06/23/1992	Haruna et al.	
		US-5,145,906	09/08/1992	Chambers et al.	
-		US-5,380,808	01/10/1995	Sumiya et al.	
		US-6,241,928	06/05/2001	Hatsuda et al.	
		US-6,174,978	01/16/2001	Hatsuda et al.	
		US-6,187,872	02/13/2001	Yanase et al.	
		US-6,071,976	06/06/2000	Dairoku et al.	
	1	US-4,734,478	03/29/1988	Tsubakimoto et al.	
		US-5,369,148	11/29/1994	Takahashi et al.	
		US-2004/0048955	03/11/2004	Wada et al.	
		US-2005/0118423	06/02/2005	Adachi et al.	

	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Initials	No.	Country Code-Number- Kind Code (if known)	MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	Т
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		NON PATENT LITERATURE DOCUMENTS	
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			Application Number	10/593,706		
INI	CODMATION	DISCLOSURE	Filing Date	September 21, 2006		
				Hiroyuki IKEUCHI		
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		U.S.	PATENT DOCU	MENTS	
Examiner Initials	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,849,405	12/15/1998	Wang et al.	
		US-5,985,944	11/16/1999	Ishizaki et al.	
		US-5,061,259	10/29/1991	Goldman et al.	
		US-			
		US-	1		

	FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number- Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т	
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